

COMBINED DECLARATION AND POWER OF ATTORNEY

| As a below r | As a below named inventor, I hereby declare that: | | |
|--|---|--|--|
| This declarat | ion is of the following type: | | |
| [] | original divisional continuation continuation-in-part | | |
| | INVENTORSHIP IDENTIFICATION | | |
| I believe I an original, first | e, post office address and citizenship are as stated below next to my name in the original, first and sole inventor (if only one name is listed below) or are and joint inventor (if plural names are listed below) of the subject matter ned and for which a patent is sought on the invention entitled: | | |
| TITLE OF INVENTION | | | |
| "MICROMACHINED INTEGRATED FLUID DELIVERY SYSTEM WITH DYNAMIC METAL SEAT VALVE AND OTHER COMPONENTS | | | |
| | SPECIFICATION IDENTIFICATION | | |
| The specifica | ation of which: | | |
| [] [x] | is attached hereto was filed on July 12, 2003, under Serial No10/617,950, executed on even date herewith; and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on | | |

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

| and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and | | | | | | | | | |
|---|--|---|--|---|---|--|---|--|---------------------------|
| | | | compliance with re Statement in a | | | | | ation | |
| | | | PRIORITY C | LAIM (| 35 U.S.C. §1 | 19) | | | |
| foreign applical listedal inventacountr | n application(s below, or's ce y othe | cation(s) for the cast of the | priority benefits to patent or investing at least one also identified by any PCT international United States of fore that of the a | ntor's c country elow ar ational a Americ | ertificate or o other than th ny foreign app application(s) a filed by me | f any P ne Unite plication design on the | CT internated States n(s) for parating at lease sume | ationa of Am tent o east o bject | al nerica or one |
| | [X] | No such | applications hav | e been | filed. | | | | |
| | [] | Such app | olications have b | een file | d as follows: | | | | |
| A. | | | CT application(plication, and a | | | | | | |
| Cour | ntry/PC | I | Application No | | Date Filed | | Priority (| 2laim | ed |
| | | | | | | | [] Yes [] Yes [] Yes | įį | No No No |
| В. | prior | reign app to this applicatio | lication(s), if an | ıy, filed | more than 1 | 12 mos | . (6 mos | for de | esign) |
| | Count Applic Filing | ation No: | | | | | | | |
| | | | PRIORITY C | LAIM (| 35 U.S.C. §1: | 20) | | | |

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

| | No such applications have been filed Such applications have been filed, as follows: Status | | |
|--------|--|-------------|----------------------------|
| Serial | No. | Filing Date | Patented/Pending/Abandoned |
| 10/328 | 3.135 | 12/20/2002 | Pending |

POWER OF ATTORNEY

| Peter J. Sgarbossa | Registration No. 25,610 |
|----------------------|-------------------------|
| Joseph Bach | Registration No. 37,771 |
| Raymond Kam-On Kwong | Registration No. 37,165 |
| James C. Wilson | Registration No. 35,412 |
| Robert W. Mulcahy | Registration No. 25,436 |
| Shirley L. Church | Registration No. 31,858 |
| Kathi Bean | Registration No. 36,644 |

Send correspondence to: Patent Counsel, MS/2061 Applied Materials, Inc P. O. Box 450A Santa Clara, CA 95052. Direct telephone calls to:

Shirley L. Church (650) 473-9700

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, und r Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

| Full name of first inventor: Mark Crockett |
|--|
| Inventor's signature: |
| Date: Residence: U.S.A. |
| |
| Post Office Address: 888 Foster City # 11 |
| Foster City, California 94404 Country of Citizenship: U.S.A. |
| Full name of second inventor: John W. Lane |
| Inventor's signature: |
| Date: Residence: U.S.A. |
| Post Office Address: 1141 Meredith Ave. |
| San Jose, California 95125 |
| Country of Citizenship: U.S.A. |
| Full name of third inventor: Michael J. DeChellis Inventor's signature: |
| Date: Residence: U.S.A. |
| Post Office Address: 1781 Warburton Ave., Apt. 7 Santa Clara, California 95050 |
| Country of Citizenship: U.S.A. |
| Full name of fourth inventor: Chris Melcer |
| Inventor's signature: Date: |
| Residence: U.S.A. |
| Post Office Address: 1229 Susan Way |
| Sunnyvale, California 94087 Country of Citizenship: U.S.A. |
| Full name of fifth inventor: Erica R. Porras |
| Inventor's signature: |

| Date: |
|---|
| Residence: U.S.A. |
| Post Office Address: 508 Irving Avenue |
| San Jose, California |
| Country of Citizenship: U.S.A. |
| Full name of sixth inventor: Aneesh Khullar Inventor's signature: Klullar |
| Date: 8/13/03 |
| Residence: U.S.A. |
| Post Office Address: 2310 East Glendale Ave. Whitefish Bay, WI 53211 |
| Country of Citizenship: India |
| Full name of seventh inventor: Balarabe N. Mohammed |
| Inventor's signature: |
| Date: |
| Residence: U.S.A. |
| Post Office Address: 32217 Allison Drive Union City, California 94587 |
| Country of Citizenship: U.S.A. |

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

| As a below | As a below named inventor, i nereby declare that. | | | |
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| This declarat | This declaration is of the following type: | | | |
| l J | original divisional continuation continuation-in-part | | | |
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| | SPECIFICATION IDENTIFICATION | | | |
| The specifica | ation of which: | | | |
| [] | is attached hereto was filed on July 12, 2003, under Serial No10/617,950, executed on even date herewith; and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on | | | |

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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

| there | is a sul | bstantial li | | onable Examiner we | amely, information where ould consider it important nt, and |
|---|---|--|--|--|--|
| | | | compliance with this re Statement in acco | | |
| | | | PRIORITY CLAI | M (35 U.S.C. §119) | |
| foreign applic listed invent countr | n application(s below, or's ce ry othe | cation(s) f) designa and have rtificate or r than the | for patent or inventor ting at least one cour also identified below r any PCT internatior | 's certificate or of a ntry other than the l v any foreign applic nal application(s) de erica filed by me or | United States of America ation(s) for patent or esignating at least one nother the same subject matter |
| | [X] | No such | applications have be | en filed. | |
| | [] | Such ap | plications have been | filed as follows: | |
| A. | | | PCT application(s) fi oplication, and any p | | . (6 mos. for design) der 35 U.S.C. §119 |
| Country/PCT | | I | Application No | Date Filed | Priority Claimed |
| | | | | | [] Yes [] No [] Yes [] No |
| В. | prior | reign app to this applicatio | | led more than 12 | mos. (6 mos for design) |
| | Count Applic Filing | ation No: | | | |

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

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|---------------|---|-------------|----------------------------|--|
| Status | | | | |
| Serial | <u>No</u> . | Filing Date | Patented/Pending/Abandoned | |
| 10/328 | 3,135 | 12/20/2002 | Pending | |

POWER OF ATTORNEY

| Registration No. 25,610 |
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| Registration No. 37,771 |
| Registration No. 37,165 |
| Registration No. 35,412 |
| Registration No. 25,436 |
| Registration No. 31,858 |
| Registration No. 36,644 |
| |

Send correspondence to: Patent Counsel, MS/2061 Applied Materials, Inc P. O. Box 450A Santa Clara, CA 95052. Direct telephone calls to: Shirley L. Church

(650) 473-9700

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| Full name of first inventor: Mark Crockett |
|---|
| Inventor's signature: |
| Residence: U.S.A. |
| Post Office Address: 888 Foster City # 11 Foster City, California 94404 |
| Country of Citizenship: U.S.A. |
| Full name of second inventor: John W. Lane |
| Inventor's signature: |
| Residence: U.S.A. |
| Post Office Address: 1141 Meredith Ave. San Jose, California 95125 |
| Country of Citizenship: U.S.A. |
| Full name of third inventor: Michael J. DeChellis |
| Inventor's signature: // Wefferf J. Chull Date: 9/1/2003 |
| Residence: U.S.A. |
| Post Office Address: 2800 Barton's Bluff Ln Apt 2612 Austin, TX 78748 |
| Country of Citizenship: U.S.A. |
| Full name of fourth inventor: Chris Melcer |
| Inventor's signature: |
| Residence: U.S.A. |
| Post Office Address: 1229 Susan Way Sunnyvale, California 94087 |
| Country of Citizenship: U.S.A. |

| Full name of fifth inventor: | Erica R. Porras |
|--|-----------------------------------|
| Inventor's signature: | · |
| Date: U.S.A. | |
| Post Office Address: 508 | Irving Avenue Jose, California |
| Full name of sixth inventor: | Aneesh Khullar |
| Inventor's signature: Date: | |
| Date: | |
| Post Office Address: 2310 | |
| Country of Citizenship: India | tefish Bay, WI 53211 |
| Full name of seventh invento | r: Balarabe N. Mohammed |
| Inventor's signature: | |
| Date: Residence: U.S.A. | |
| Post Office Address: 322 Union City, California 94 | |
| Country of Citizenship: U.S.A. | |

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

| As a below named inventor, I hereby declare that: | | | | | |
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| | SPECIFICATION IDENTIFICATION | | | | |
| The specific | ation of which: | | | | |
| [] [X] | is attached hereto was filed on July 12, 2003, under Serial No. 10/617,950, executed on even date herewith; and was amended on (if applicable) | | | | |

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

was described and claimed in PCT International Application

under PCT Article 19 on ______.

No._____ filed on _____ and as amended

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I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

| there i | s a sub | ostantial li | kelihood that a rea | | amely, information where ould consider it important ent, and |
|--|----------------------------------|--|--|--|--|
| | | | | is duty there is attac cordance with 37 CF | ched an Information R §1.98. |
| | | | PRIORITY CLA | MM (35 U.S.C. §119 |)) |
| foreign applications listed I inventor country | n application(s) below, or's cer | cation(s) for designate and have trificate or than the | or patent or invento ing at least one con also identified belo any PCT internation United States of Al | or's certificate or of a untry other than the ow any foreign applic onal application(s) d | States Code, §119, of any any PCT international United States of America cation(s) for patent or esignating at least one on the same subject matter priority is claimed. |
| | [X] | No such | applications have t | peen filed. | |
| | [] | Such app | olications have bee | n filed as follows: | |
| A. | | | | | s. (6 mos. for design) der 35 U.S.C. §119 |
| Coun | itry/PC | I | Application No | Date Filed | Priority Claimed |
| | | | | | [] Yes [] No [] Yes [] No [] Yes [] No |
| B. | prior t | eign app to this pplicatio | | filed more than 12 | mos. (6 mos for design) |
| | Count Applic Filing | ation No: | | | |
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|----------|---|-----------|----|----------------------------|--|
| | | Statu | IS | | |
| Serial N | lo. E | ling Date | | Patented/Pending/Abandoned | |
| 10/328, | 135 12 | 2/20/2002 | | Pending | |

POWER OF ATTORNEY

| Peter J. Sgarbossa | Registration No. 25,610 |
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| Joseph Bach | Registration No. 37,771 |
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| Full name of first inventor: Mark Crockett |
|--|
| Inventor's signature: Moult a Cilett Date: 8-21-03 Residence: U.S.A. Post Office Address: 606 Bobstay Ln Foster City, California 94404 |
| Country of Citizenship: U.S.A. |
| Full name of second inventor: John W. Lane |
| Inventor's signature: Jahn W Jaso Date: |
| Residence: U.S.A. Post Office Address: 1141 Meredith Ave. San Jose, California 95125 |
| Country of Citizenship: U.S.A. |
| Full name of third inventor: Michael J. DeChellis Inventor's signature: Date: |
| Residence: U.S.A. Post Office Address: 1781 Warburton Ave., Apt. 7 Santa Clara, California 95050 |
| Country of Citizenship: U.S.A. |
| |
| Full name of fourth inventor: / Chris Melcer |
| Inventor's signature: |
| Residence: U.S.A. Post Office Address: 1229 Susan Way |
| Sunnyvale, California 94087 Country of Citizenship: U.S.A. |
| Full name of fifth inventor: Erica R. Porras |
| Inventor's signature: |

| Date: 8/22/03 Residence: U.S.A. Post Office Address: 508 Irving Avenue San Jose, California |
|---|
| Country of Citizenship: U.S.A. |
| Full name of sixth inventor: Aneesh Khullar Inventor's signature: |
| Date: Residence: U.S.A. |
| Residence: U.S.A. Post Office Address: 2310 East Glendale Ave. Whitefish Bay, WI 53211 Country of Citizenship: India |
| Full name of seventh inventor: Balarabe N. Mohammed Inventor's signature: |
| Date: August 27, 2003 Residence: U.S.A. Post Office Address: 32217 Allison Drive Union City, California 94587 |
| Country of Citizenship: U.S.A. |

(Declaration ends with this page)